

SUBROUTINE OPTYPE

Description

This subroutine calls the specified optimization scheme.

Calling Sequence

CALL OPTYPE (A, MA, OA, MOA, ILOCOA, MILOC, IZY, IPASS1, IFINSH, NPARM, NCOUN, NN, IPMOVE)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
A	Both	R	MA	Array containing values of the parameters to be optimized. This array is updated no more than MAXN times.
MA	Input	I	1	Dimension of the A array
OA	Input	R	MOA	The entire OA array. Contains the information for each of the parameters being optimized.
MOA	Input	I	1	Dimension of the OA array
ILOCOA	Input	I	MILOC	An integer array containing pointers to the beginning of the OA array for each parameter
MILOC	Input	I	1	Dimension of the ILOCOA array
IZY	Both	I	1	A counter indicating which parameters, as they are stored in the ILOCOA array, have been optimized in the pattern search option
IPASS1	Input	I	1	Indicates first pass or subsequent passes through OPT 1 = first pass 0 = subsequent pass
IFINSH	Both		1	OPT3 completion flag for both the adaptive random search and pattern search options 1 = complete-terminate OPT3 0 = not complete
NPARM	Input	I	1	Number of parameters to be optimized
NCOUN	Both	I	1	Number of trials for the pattern search option
NN	Both	I	1	Number of runs for the pattern search option
IPMOVE				Not referenced anywhere